

DEVAL L. PATRICK GOVERNOR

TIMOTHY P. MURRAY LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD SECRETARY

JOHN AUERBACH COMMISSIONER

The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130
617-983-6622

11/17/11

Evandro Carvalho Assistant District Attorney, Suffolk County

Dear ADA Carvalho,

Enclosed are copies of the information you requested regarding sample number in the following:

- 1. Drug Analysis Laboratory Receipt.
- 2. Curriculum Vitae for Daniela Frasca and Annie Khan (Dookhan).
- 3. Control Card with Analytical Results for sample number

4. Analysis Notation Forms for the above sample number.

5. GC-MS Raw Data Sheets for the above sample number.

GC-MS confirmatory testing was performed by Annie Khan (Dookhan). All other testing was performed by Daniela Frasca. If you have any questions or concerns about these facts, please contact me at the number below.

Sincerely,

Daniela Frasca Chemist II

Drug Laboratory 617 983-6631

fax: 617 983-6625



CC#		· · · · · · · · · · · · · · · · · · ·		
воок#	145	 		
PAGE#	02	 	,, , , , , , , , , , , , , , , , , , ,	

DRUG RECEIPT	page # 102		
	DESTRUCTION #		
District/Unit BKUA			
Name & Rank of Arresting Officer	UNFORD	10 & 8 all	7192298
			7
DEFENDANT'S NAME	ADDRESS	CITY	STATE
		Roxbury	Ma
		AND THE PROPERTY OF THE PROPER	SE ONLY
DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	GROSS WEIGHT	ANALYSIS NUMBER
white rock like substance (crack com	m) 13 plL	4,650	
Suite LOOK WAS DOWNING for MOK com	- 115	- lileng	
	·		
To be completed by ECU personnel only			
Name and Rank of Submitting Officer	- Type		0
610	10	ر. م. الاستان)
Received by		Date	- 09
BPD Form 0038-BIS-0907 (prev. 1753)		ECU Control #	ও ংইটুগুন31
			* c tr

Daniela Frasca

Education

Boston University School of Medicine, Boston MA

Currently enrolled in the Biomedical Forensic Science MS Program

Suffolk University, Boston, MA

Graduated in 05/1996 and received a Bachelor of Science in Biochemistry

EXPERIENCE

Massachusetts State Laboratory Institute/DPH, Jamaica Plain, MA 01/2001 - present Drug Laboratory: Chemist II

- Analysis of all substances by chemical screening, microscopy, and instrument confirmation to determine the presence of drugs for law enforcement agencies in the Commonwealth of Massachusetts.
- Appointed assistant analyst on January 29, 2001 by the Assistant Commissioner of DPH
- Completed four weeks of training in drug analysis under the supervision of senior chemists.

Quest Diagnostics Incorporated, Cambridge, MA

09/1996 - 10/2001

Department of Toxicology: Medical Technologist I

- Handles comprehensive toxic analysis, therapeutic drug monitoring, forensic drug screening, and compound ID's of biohazard samples utilizing standard operating procedures in clinical toxicology.
- Entered data and interpreted results for reporting
- QC/QA of multiple analytical instrumentation as well as maintenance
- Completed 60 days of training under the supervision of doctorate level toxicologists.

Additional Training

Northeastern Association of Forensic Scientists

Designer Drugs

Clandestine labs

Agilent Instruments and Software

Digital Photography

McCrone Research Institute

Forensic Polarized Microscopy

Polarized Microscopy of Illicit Drugs and Excipients

Massachusetts State Laboratory Institute

Expert Witness

Raman Spectroscopy

Associations and Programs

	Northeastern Association of Forensic Scientists (NEAFS)	2001 - present
•	The International Association of Forensic Toxicologists (TIAFT)	2003 - present
•	The International Association of Therapeutic Drug Monitoring	2003 - present
	And Clinical Toxicology (IATDMCT)	
•	Massachusetts State Science Fair Judge	2000 - present
•	Middle School State Science Fair Judge	2006 - present
•	Volunteer Science Project Mentor/Tutor	2003 - present
	for the TTT Mentor Program	-

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry. University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 - present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Maintenance and repairs of all analytical instruments.
- *Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- * Responsible for the Quality Control/Quality Assurance program for the drug lab.
- *Notary Public.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 - 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
- *Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice - Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

No.

Date Analyzed: OS-11-10

Subst: SUB

City: Boston D.C.U. Police Dept.

Officer: P.O. Diana Lopez

Def:

đ

Amount:

Cont: pb

No. Cont: 13 Date Rec'd: 10/02/2009

Gross Wt.:

4.65

No. Analyzed: Z

Net Weight

Findings: cocarre

SAMPLE # AGENCY BOSTON ANALYST DAYS

PHYSICAL DESCRIPTION:

Er. mox

Substance In 13 PB

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2 Prosed
2 Meck
Cobold -, t Madd disched and and back

2 Gold +

2 TLTA -, t Madd testimoted Mer mor

13 by 2 15 1, 879

PRELIMINARY TEST RESULTS

RESULTS Gacaine

DATE 5/3/19

GC/MS CONFIRMATORY TEST

RESULTS Cacina

MS DEPARTOR DEST

Q

samples tested:

. #	Gross Weight	Packet Weight	Net Weight	#	<i>Gross</i> Welght	**************************************	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
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2	0.1766		0.1411	27			2 2 7 6 1 7
3			0.2890	28			(*1745 X = 13
4				29			(1-8785 8
5				30			
6	宁	2 = 0	1445	31			
7				32			
8		AND TRANSPORT		33			
9	X	13=1,8	7859	34	<u> </u>		
10				35	north denne of the special and		
11				36			
12				37			
13				38	ncococconony and the last of t		
14				39	***************************************	4	
15				40	na n	**************************************	
16		·		41			
17	***************************************			42		**)	
18				43			
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20				45		***************************************	
21	****		****	46		· Pa	
22	-			47		***************************************	
23				48			
24				49			
25	1 1			50			
∪a i cu	lations:						

Information from Data File:

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Operator : ASD

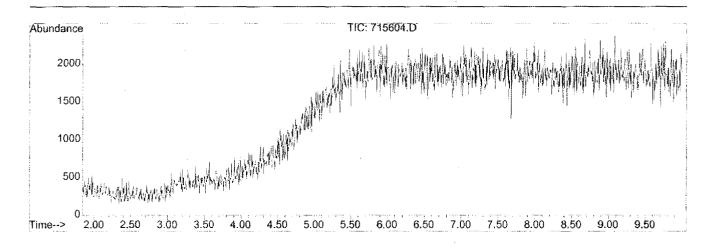
Date Acquired : 10 May 2010 9:49

Sample Name : BLANK

Submitted by

Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE

ASO 14-11



Ret. Time

Area

Area S

Ratio %

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05_10_10\715605.D

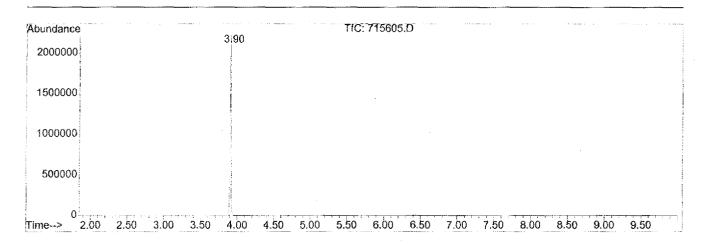
Operator : ASD

Date Acquired : 10 May 2010 10:03

Sample Name : COCAINE STD

Submitted by

Vial Number : 5 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.905	2064165	100.00	100.00

File Name : F:\Q2-2010\SYSTEM4\05 10 10\715605.D

Operator : ASD

Date Acquired : 10 May 2010 10:03

Sample Name : COCAINE STD

Submitted by

Vial Number : 5
AcquisitionMeth: DRUGS
Integrator : RTE

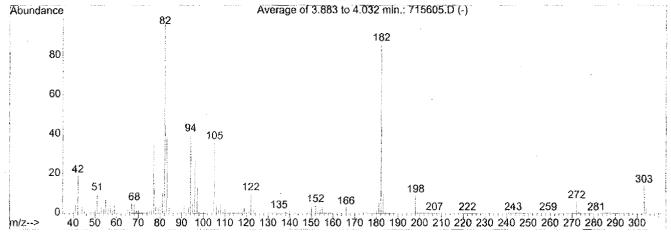
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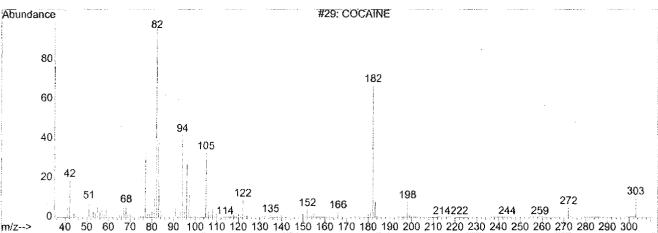
C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW TOX2.L Minimum Quality: 90

C:\DATABASE\NIST98.L

PK# RT Library/ID CAS# Qual

1 3.90 C:\DATABASE\SLI.L COCAINE 000050-36-2





715605.D

Fri Oct 14 07:37:41 2011

Page 2

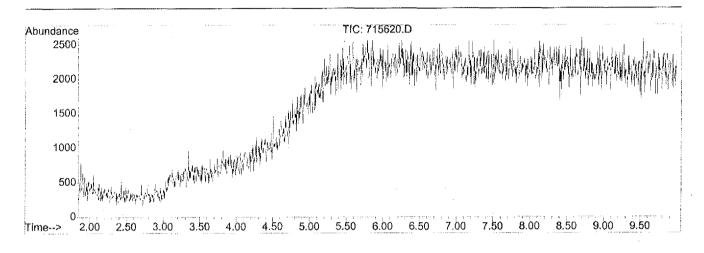
99

File Name : F:\Q2-2010\SYSTEM4\05 10 10\715620.D

Operator : ASD

Date Acquired : 10 May 2010 13:29

Sample Name : BLANK Submitted by : DXF Vial Number : 1 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time

Area

Area 8

Ratio %

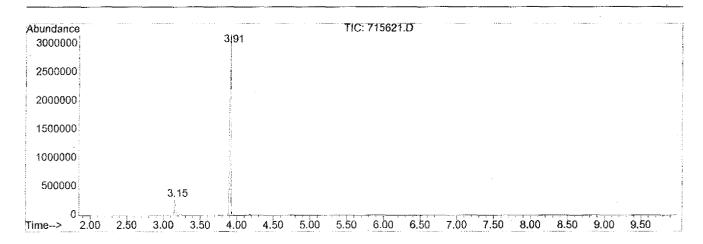
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Operator : ASD

Date Acquired : 10 May 2010 13:43

Sample Name :

Submitted by : DXF
Vial Number : 21
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
3.150 3.912	440640 3759268	10.49 89.51		

File Name : $F:\Q2-2010\SYSTEM4\05\10\10\715621.D$

Operator : ASD

Date Acquired : 10 May 2010 13:43

Sample Name

Submitted by : DXF Vial Number : 21 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries:

C:\DATABASE\SLI.L

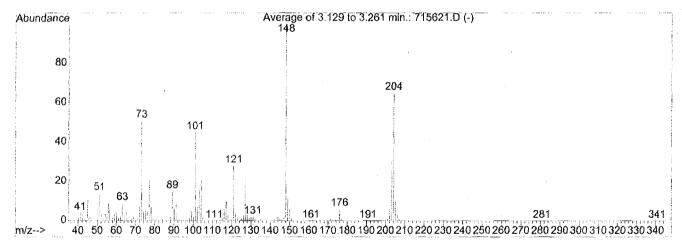
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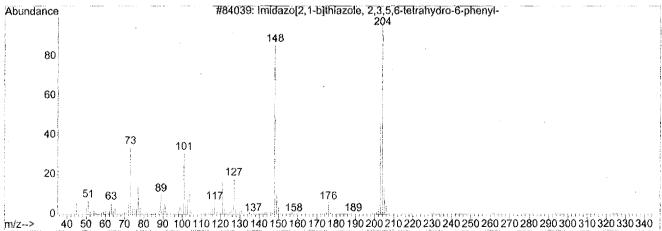
C:\DATABASE\PMW_TOX2.L

Minimum Quality: 90

C:\DATABASE\NIST98.L

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		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole,	2,3,5,6-tet	006649-23-6	98
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	97





715621.D

Fri Oct 14 07:37:57 2011

: F:\Q2-2010\SYSTEM4\05 10 10\715621.D File Name

Operator ASD

Date Acquired 10 May 2010 13:43

Sample Name

Submitted by DXF Vial Number 21 AcquisitionMeth: DRUGS : RTE Integrator

Search Libraries: C:\DATABASE\SLI.L

COCAINE

Minimum Quality: 90

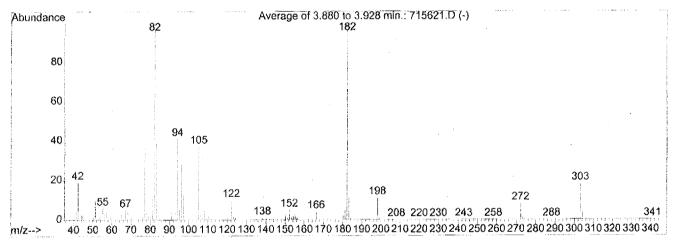
000050-36-2

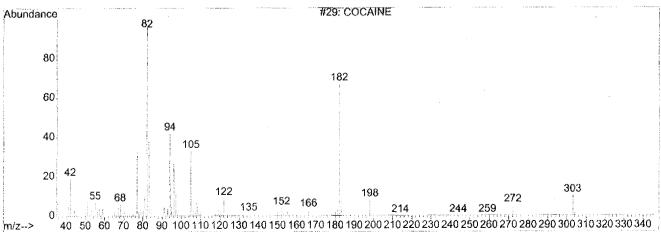
99

C:\DATABASE\PMW TOX2.L

Minimum Quality: 90 C:\DATABASE\NIST98.L

CAS# Library/ID Qual PK# RT C:\DATABASE\SLI.L 2 3.91





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Fri Oct 14 07:37:57 2011

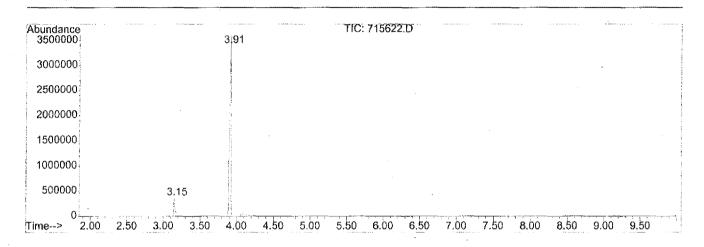
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Operator : ASD

Date Acquired : 10 May 2010 13:56

Sample Name :

Submitted by : DXF Vial Number : 22 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.147	553322	10.58	
3.914	4674752	89.42	

File Name : $F: Q2-2010 \ SYSTEM4 \ 05 \ 10 \ 10 \ 715622.D$

Operator : ASD

Date Acquired : 10 May 2010 13:56

Sample Name :

Submitted by : DXF
Vial Number : 22
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

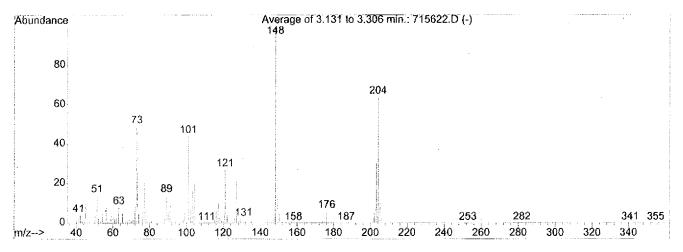
Minimum Quality: 90

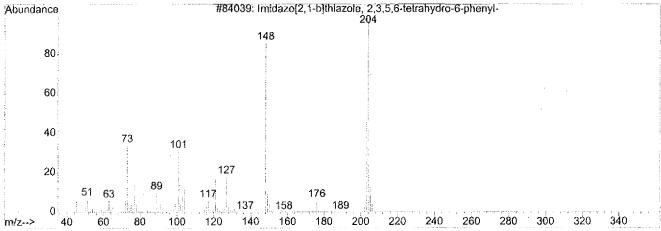
C:\DATABASE\PMW_TOX2.L

Minimum Quality: 90

C:\DATABASE\NIST98.L

PK#	RT	Library/ID		CAS#	Qual
1	3.15	C:\DATABASE\NIST98.L	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
		Imidazo[2,1-b]thiazole,	2,3,5,6-tet	006649-23-6	99
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	99
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	97





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Fri Oct 14 07:38:02 2011

File Name : F:\Q2-2010\SYSTEM4\05 10 10\715622.D

Operator ASD

Date Acquired 10 May 2010 13:56

Sample Name

Submitted by DXF Vial Number 22 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90

C:\DATABASE\PMW TOX2.L

Minimum Quality: 90

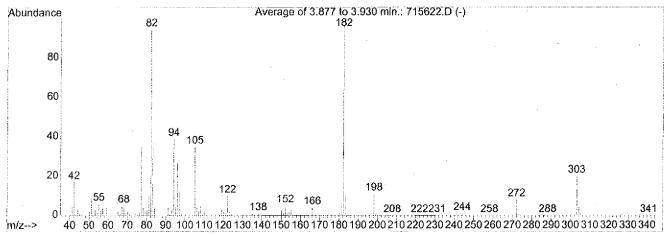
C:\DATABASE\NIST98.L

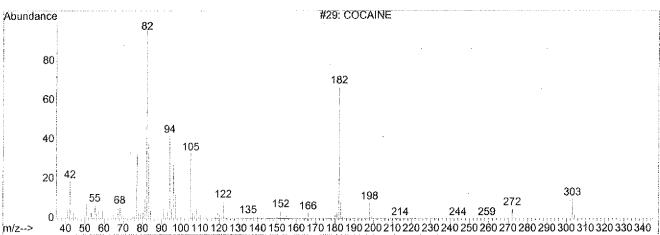
PK# RT Library/ID CAS# Qual

C:\DATABASE\SLI.L 2 3.91 COCAINE

000050-36-2

99





715622.D

Fri Oct 14 07:38:02 2011

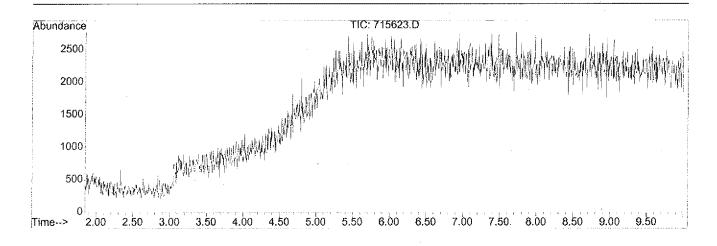
Information from Data File:

File Name : $F:\Q2-2010\SYSTEM4\05 10 10\715623.D$

Operator : ASD

Date Acquired : 10 May 2010 14:10

Sample Name : BLANK Submitted by : CBS Vial Number : 1 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area Area % Ratio %

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05 10 10\715626.D

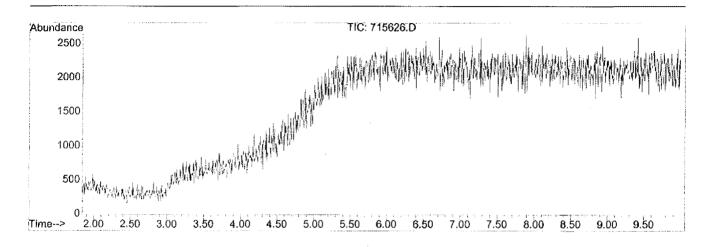
Operator : ASD

Date Acquired : 10 May 2010 14:51

Sample Name : BLANK

Submitted by

Vial Number : 1 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area Area % Ratio %

Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\05 10 10\715627.D

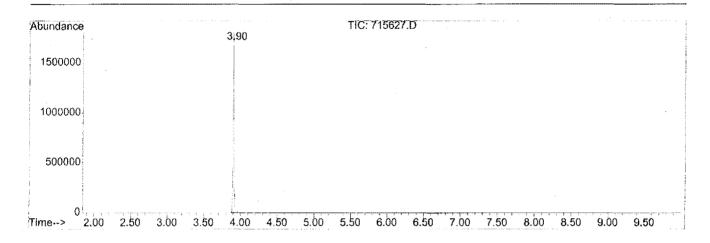
Operator : ASD

Date Acquired : 10 May 2010 15:05

Sample Name : COCAINE STD

Submitted by :

Vial Number : 27 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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File Name : $F:\Q2-2010\SYSTEM4\05\10\10\715627.D$

Operator : ASD

Date Acquired : 10 May 2010 15:05

Sample Name : COCAINE STD

Submitted by :

Vial Number : 27 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

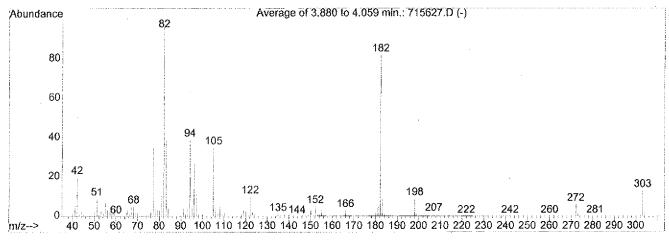
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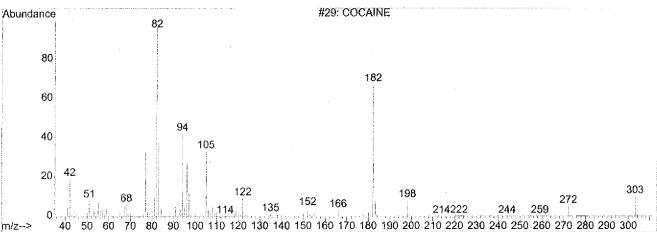
C:\DATABASE\PMW_TOX2.L

Minimum Quality: 90

C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	3.90	C:\DATABASE\SLI.L	000050-36-2	99





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